

Notice of Allowability

Application No.

10/004,477

Examiner

Habte Mered

Applicant(s)

KANGAS, ANTTI O.

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/12/2006.
2. ☒ The allowed claim(s) is/are 1,3,4,6,7,9,10,12,13,15-20,22-27 and 29-32.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input checked="" type="checkbox"/> Other <u>Attachment A - Claim Listings</u> . |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jeffrey Ambroziak on 7/7/2006.

2. Claims 2, 5, 8, 11, 14, 21, and 28 are cancelled.
3. The remaining claims claims have been amended as shown in Attachment A.

Allowable Subject Matter

4. **Claims 1, 3, 4, 6, 7, 9, 10, 12, 13, 15-20, 22-27, and 29-32** are allowed.
5. The following is an examiner's statement of reasons for allowance:

Claims 1, 7, 13, 20, and 27 are allowable over the prior art of record since the cited references taken individually or in combination fail to particularly teach or suggest a method for a mobile station to indicate to the network the specific packet system information message types it requires within a Packet PSI Status message by setting the PSix COUNT and Instance Bitmap fields of the specific packet system information messages to zero. It is noted the closest prior art, 3GPP TS 04.60 version 6.10.0 Release 1997, discloses in Section 5.5.1.4 during a partial acquisition of either PBCCH or BCCH information, only a certain subset of the PSI or SI messages that are scheduled on the respective broadcast channel shall be received. The mobile station may consider the state of the PSI


or SI change mark values, without restriction, to reduce the total number of messages to receive.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Habte Mered whose telephone number is 571 272 6046. The examiner can normally be reached on Monday to Friday 9:30AM to 5:00PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on 571 272 3088. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HM
7-7-2006



HASSAN KIZOU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

Dear Examiner Mered:

Attachment A Claim Listings

I believe the following proposed amendments are in accord with your suggestions from our conversation of July 7, 2006 regarding application 10/004,477. Please give me a call to discuss this matter at 203.925.9400 ext. 24 after you have reviewed the proposed amendments.

Sincerely,

Jeffrey Ambroziak

1. (currently amended) A method for operating a wireless communication system having packet data capabilities, comprising:

sending a message from a mobile station to a network on a same physical channel that is used to transmit ~~packet data~~ packets, the message specifying individual ones of packet system information (PSI) messages that are required ~~for reception~~ by the mobile station; and

in response to receiving the message, sending only the specified individual ones of the PSI messages from the network to the mobile station over the same physical channel used to transmit the ~~packet data~~ packets, wherein the message is a PACKET PSI STATUS message, and wherein the mobile station, for each specified PSI message type in the PACKET PSI STATUS message, sets each of a PSIx COUNT field and an Instance Bitmap field to zero.

5. (cancelled)

6. (currently amended) A method as in claim 5, wherein, in response, the network determines that the mobile station has not received the particular PSI message

type, and disregards an indicated PSI_CHANGE_MARK in the PACKET PSI STATUS message.

7. (currently amended) A method for operating a wireless communication network having packet data capabilities, comprising:

receiving a message from a mobile station at the network on a same physical channel that is used to convey ~~packet data~~ packets, the message specifying individual ones of packet system information (PSI) messages that are required for ~~reception~~ by the mobile station; and

in response to receiving the message, sending only the specified individual ones of the PSI messages from the network to the mobile station over the same physical channel used to transmit the ~~packet data~~ packets,

wherein the message is a PACKET PSI STATUS message, and wherein the mobile station, for each specified PSI message type in the PACKET PSI STATUS message, sets each of a PSIx_COUNT field and an Instance_Bitmap field to zero.

11. (cancelled)

12. (currently amended) A method as in claim 11, wherein, in response, the network determines that the mobile station has not received the particular PSI message type, and disregards an indicated PSI_CHANGE_MARK in the PACKET PSI STATUS message.

13. (currently amended) A method for operating a wireless communication system having packet data capabilities, comprising:

sending a PACKET PSI STATUS message from a mobile station to a network, the PACKET PSI STATUS message specifying individual ones of packet system

information (PSI) message types that are required ~~for reception~~ by the mobile station; and

in response to receiving the PACKET PSI STATUS message, sending only the specified individual ones of the PSI message types from the network to the mobile station, and wherein, for each specified PSI message type in the PACKET PSI STATUS message, setting each of a PSIx_COUNT field and an Instance Bitmap field to zero.

14. (cancelled)

15. (currently amended) A method as in claim ~~14~~ 13 wherein, in response, the network determines that the mobile station has not received the particular PSI message type, and disregards an indicated PSI_CHANGE_MARK in the PACKET PSI STATUS message.

20. (currently amended) A mobile station operable with a wireless communication network having packet data capabilities, the mobile station comprising a RF transceiver coupled to a data processor, said data processor operating under the control of a stored program for transmitting a PACKET PSI STATUS message from the mobile station to the network, the PACKET PSI STATUS message specifying individual ones of packet system information (PSI) message types that are desired ~~for reception~~ by said mobile station and, in response to a reception of said PACKET PSI STATUS message by said network, said mobile station receiving from said network only the specified individual ones of the PSI message types wherein the mobile station, for each specified PSI message type in the PACKET PSI STATUS message, sets each of a PSIx_COUNT field and an Instance Bitmap field to zero.

21. (cancelled)

22. (currently amended) A mobile station as in claim 21 ~~20~~ wherein said network determines from the included message fields that said mobile station has not received the particular PSI message type , and disregards an indicated PSI_CHANGE_MARK in the PACKET PSI STATUS message.

27. (currently amended) A program of ~~machine-computer~~-readable instructions, tangibly embodied on an information bearing medium and executable by a digital data processor, to perform actions comprising:

sending a PACKET PSI STATUS message from a mobile station to a network, the PACKET PSI STATUS message specifying individual ones of packet system information (PSI) message types that are required ~~for reception~~ by the mobile station; and

receiving the specified individual ones of the PSI message types from the network wherein sending the PACKET PSI STATUS message comprises, for each specified PSI message type in the PACKET PSI STATUS message, setting each of a PSIx_COUNT field and an Instance Bitmap field to zero..

28. (cancelled)